

22 FT. CARGO EXTRACTION ASSEMBLY
P/N 11-1-2584
NSN 1670-01-063-3716

TECHNICAL DATA
UPDATED MAY 17, 2004

U.S. PART NO:

11-1-2584

1. 52K6329
2. 58J6099
3. 11-1-2582

The standard assembly consists of:

22 FT. CARGO EXTRACTION ASSEMBLY

- 22 Ft. Ring Slot Canopy
- Deployment Bag
- 60” Adapter Web

Mills Manufacturing Corporation

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1. 22 Ft. Canopy, P/N 52K6329:

Shape:	Ring Slot
Diameter:	22 Ft.
Number of Gores	28
Number of Rings Per Gore	7
Number of Suspension Lines	28
Number of Suspension Lines	22'
Ring Panel Material:	Nylon Cloth, PIA-C-7350, Type II, Camouflage Green #483, 3.5 oz., 135# tensile strength warp and fill, 150-200 CFM air permeability
Suspension Line and Vent Line Material:	Nylon Cord, PIA-C-7515, Type V, Camouflage Green #483, 1500# tensile strength
Skirt Reinforcements:	Nylon Webbing, PIA-W-5625, 1", Camouflage Green #483/Natural, 4000# tensile strength
Vent Reinforcement:	Nylon Webbing, PIA-W-4088, 1", Type XVIII, Class 2, Camouflage Green #483, 600# tensile strength, Condition U
Ring Reinforcements:	Nylon Tape, PIA-T-5038, 1/2", Type III, Class 2, Camouflage Green #483/Natural, 250# tensile strength
Radial Tapes; Pocket Bands; Radial Tape Attachment Loops:	Nylon Tape, PIA-T-5038, 1", Type IV, Camouflage Green #483, Class 2, 1000# tensile strength
Bridle Loop:	Nylon Webbing, PIA-W-27265, Type VIII, 1-23/32", Class 2, Camouflage Green #483, 4000# tensile strength
Suspension Line Links:	PS 70118-1, 3000# proof load
Canopy Stitching:	Nylon Thread, V-T-295, Type I/II, Class A, Size E, FF, 3-C, Natural

2. Deployment Bag, P/N 58J6099:

Type Bag:	Locking Closure
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2. **Deployment Bag, P/N 58J6099 (Cont.):**

Bag Material:	Nylon Cloth, PIA-C-7219, Type III, Class 3, Camouflage Green #483, 325# warp tensile strength, 275# fill tensile strength
Reinforcing Straps:	Nylon Webbing, PIA-W-27265, Type VIII, 1-23/32", Class 2, Camouflage Green #483, 4000# tensile strength
Tie Down; Tie Loops; Stow Loops; Closure Bands:	Nylon Tape, PIA-T-5038, Type IV, 1", Class 2, Camouflage Green #483, 1000# tensile strength
Stiffener Webbing:	Nylon Webbing, PIA-W-27265, Type IV, 3" Class 2, Camouflage Green #483, 1800# tensile strength
Handle and Pendulum Line:	Nylon Cord, PIA-C-7515, Camouflage Green #483, Type IV, 1000# tensile strength
Log Record Pocket:	P/N 11-1-2587, Camouflage Green #483 material
Binding Material:	Nylon Tape, PIA-T-5038, Type III, Class 2, 3/4", Camouflage Green #483, 400# tensile strength
"V" Ring:	PS 22045-1, 2500# proof load
Bent "V" Ring:	PS 70115, carbon steel
Stitching:	Nylon Thread, V-T-295, Type II, Class A, Size E, 3-C, Camouflage Green #483

3. **60" Adapter Web, P/N 11-1-2582:**

Web Material:	Nylon Webbing, PIA-W-27265, Type XXVI, Class 2, 1-23/32", Camouflage Green #483, 15000# tensile strength
Keeper Retainer and Buffer Material:	Nylon Webbing, PIA-W-27265, Type VIII, Class 2, 1-23/32", Camouflage Green #483, 4000# tensile strength
Sliding Keeper and Loop Buffer Material:	Nylon Webbing, PIA-W-27265, Type VII, Class 2, 1-23/32", Camouflage Green #483/Natural, 6000# tensile strength
Stitching:	Nylon Thread, V-T-295, Type I/II, Class A, Camouflage Green #483, Size E, 5-C

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3. **60" Adapter Web, P/N 11-1-2582 (Cont.):**

Stitching: Nylon Thread, V-T-295, Type I/II, Class A,
Camouflage Green #483/Natural, Size E, 3-C, 5-C

Handstitching: Cotton Thread, A-A-52094, Type V, Size 8/7,
Camouflage Green #483/Natural

All 22 Ft. Cargo Extraction Assemblies are manufactured using the latest revision of material listed in Technical Data.

All 22 Ft. Cargo Assemblies are manufactured in strict accordance with Cargo Parachute U.S. Military Specifications MIL-DTL-7620, MIL-DTL-9401, and MIL-STD-849, latest revision.

All 22 Ft. Cargo Extraction Assemblies are preserved, packaged and packed in accordance with U.S. Military Specifications or customer's specific packaging instructions.

22 FT. DIAMETER CARGO EXTRACTION PARACHUTE

The 22 Ft. Extraction Canopy is of ring slot design and has 28 gores and suspension lines. When used for low-velocity airdrops, it has the capability of extracting loads ranging from 8,000 lbs. to almost 19,000 lbs., depending on the type of aircraft. The packed assembly weighs approximately 61 lbs.

In both the original configuration, P/N 59B6209, NSN 1670-00-687-5458, and this most recent configuration, P/N 11-1-2584, NSN 1670-01-063-3716, an Adapter Web is included as part of the assembly. In the original configuration a 60 Ft., 6 ply, 3-loop Extraction Line, P/N 62J4260-1, made of Type X webbing, PIA-W-27265, 1-3/4", Camouflage Green #483, 9500# tensile strength, is also supplied as part of the assembly. The Canopy, P/N 52K6329 and Deployment Bag, P/N 58J6099, is the same for both configurations. The original configuration can be manufactured if customer requests. All 22 Ft. Diameter Cargo Extraction Parachute Assemblies' material color, Olive Drab, was revised in 1995 to the new U.S. Army material color, Camouflage Green #483.

The Deployment Bag, P/N 58J6099, was revised in 2001 to eliminate the outer and inner loop with Nylon Cord, Type VI and buffer. The new nylon reinforcement straps, PIA-W-27265, Type VIII, crossing opposite corners of the bag have been added. Pendulum line, Nylon Cord, PIA-C-7515, Type IV, is now looped around center of new reinforcement straps.

The 22 Ft. Extraction Parachute may also be used for high velocity airdrops. When used for this purpose, it will support a payload of from 501 lbs. to 2200 lbs.